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(54) **Sucrase gene derived from coryneform bacteria**

(57) The present invention provides a DNA fragment derived from Coryneform bacteria and containing a gene coding for a protein having sucrase activity and a recombinant DNA containing said DNA fragment and capable of gene amplification in Coryneform bacteria. The recombinant DNA is introduced into Coryneform bacteria to enhance their sucrase activity. By using the bacteria having enhanced sucrase activity a method is provided for efficiently producing L-amino acids and nucleic acids in a short period of time.

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# EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	DATABASE WPI Section Ch, Week 9343 Derwent Publications Ltd., London, GB; Class D16, AN 93-338924 XP002034057 & JP 05 244 958 A (AJINOMOTO KK) , 24 September 1993 * abstract * & US 5 556 776 A (AJINOMOTO CO INC) 17 September 1996 * the whole document *	1-7	C12N15/56 C12P13/08 C12P13/14 C12N1/19 //(C12N1/19, C12R1:13, C12R1:15)
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Y	APPL MICROBIOL BIOTECHNOL, 34 (3). 1990. 340-343., XP000571746 KAWAHARA Y ET AL: "EFFECT OF GLYCINE BETAINE ON THE SUCROSE CATABOLISM OF AN L LYSINE PRODUCING MUTANT OF BREVIBACTERIUM-LACTOFERMENTUM" * the whole document *	2-7	C12N C12P
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 June 1997	Examiner Esen, J
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure F : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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